

FIGURE 1

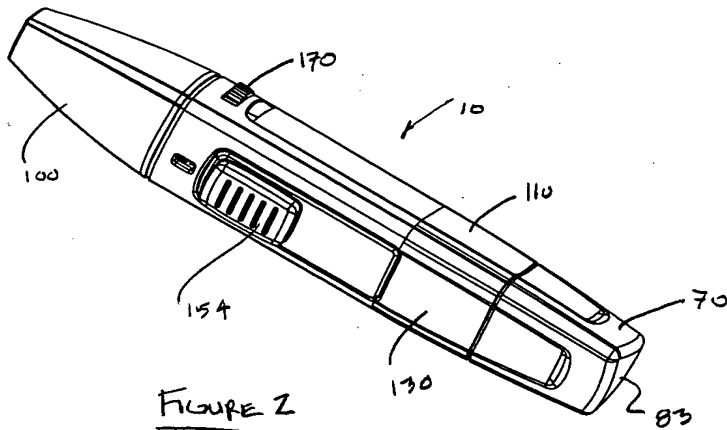


FIGURE 2



Arming the Lancet Device

THE LANCET IS CURRENTLY IN THE STEADY STATE POSITION.  
 NO ACTION IS TAKING PLACE AT THIS TIME.

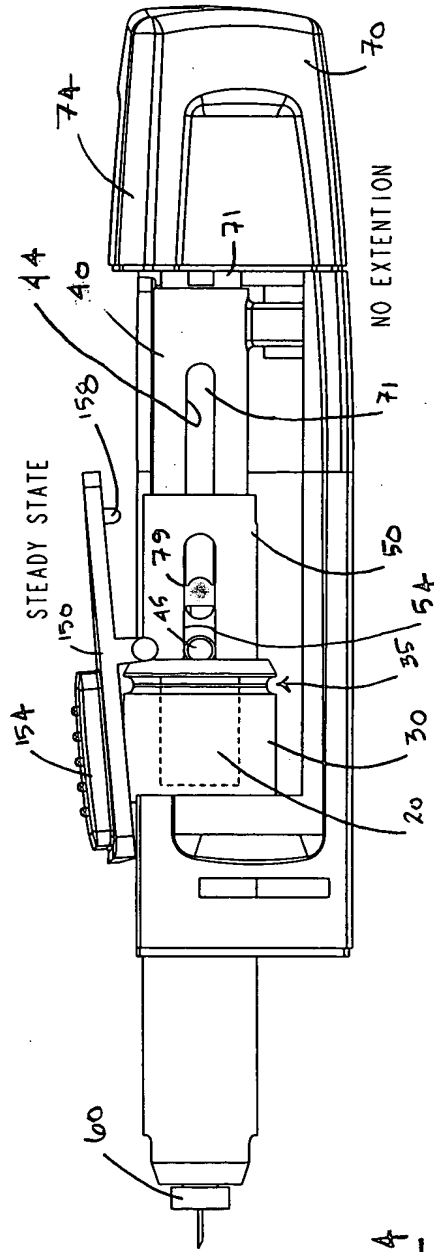


FIGURE 4

THE LANCET IS ARMED ABOUT ONE QUARTER OF THE WAY.  
 NOTICE THE POSITION OF THE ARMER (A) RELATIVE TO THE  
 HOUSING (H). ALSO NOTICE THE COLLAR (C) RELATIVE TO  
 THE MAGNET (M). THE MAGNET IS SHOWN WITH DASHED LINES.

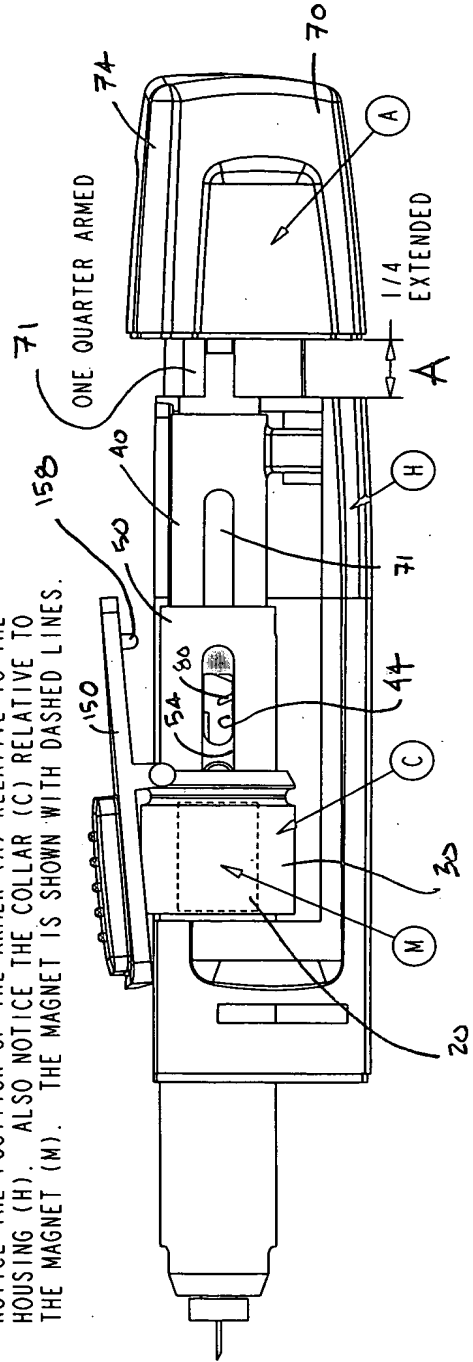


FIGURE 5

THE LANCER IS ARMED ABOUT HALF OF THE WAY.  
 NOTICE THE POSITION OF THE ARMER (A) RELATIVE TO THE  
 HOUSING (H). ALSO NOTICE THE COLLAR (C) RELATIVE TO  
 THE MAGNET (M). THE MAGNET IS SHOWN WITH DASHED LINES.

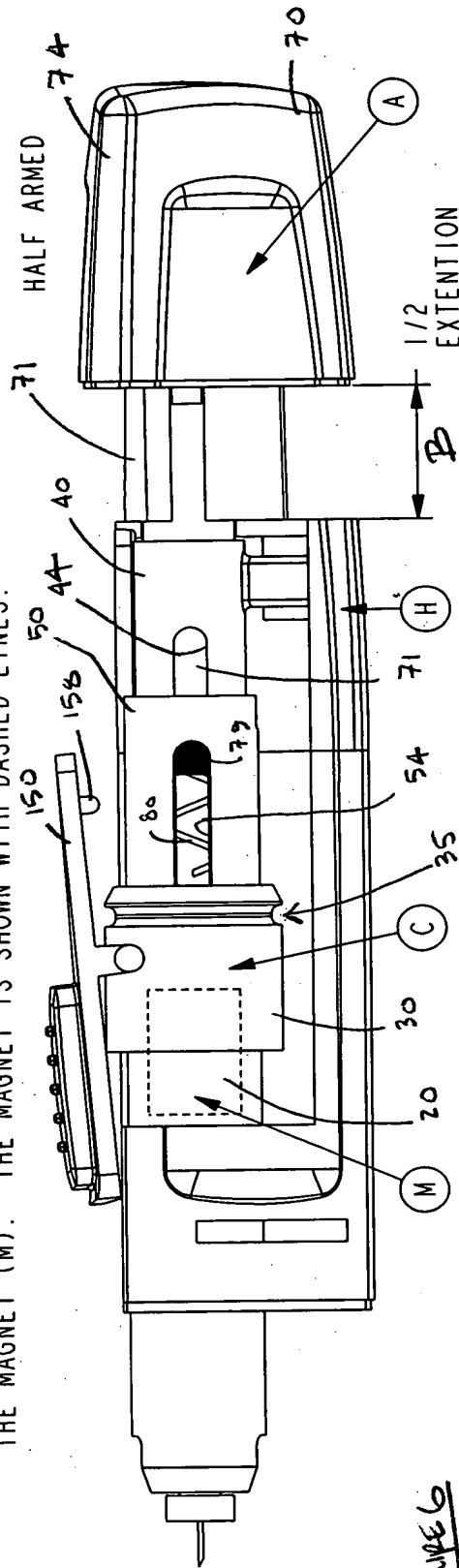


FIGURE 6

THE LANCER IS ARMED ABOUT THREE QUARTERS OF THE WAY.  
 NOTICE THE POSITION OF THE ARMER (A) RELATIVE TO THE  
 HOUSING (H). ALSO NOTICE THE COLLAR (C) RELATIVE TO  
 THE MAGNET (M). THE MAGNET IS SHOWN WITH DASHED LINES.

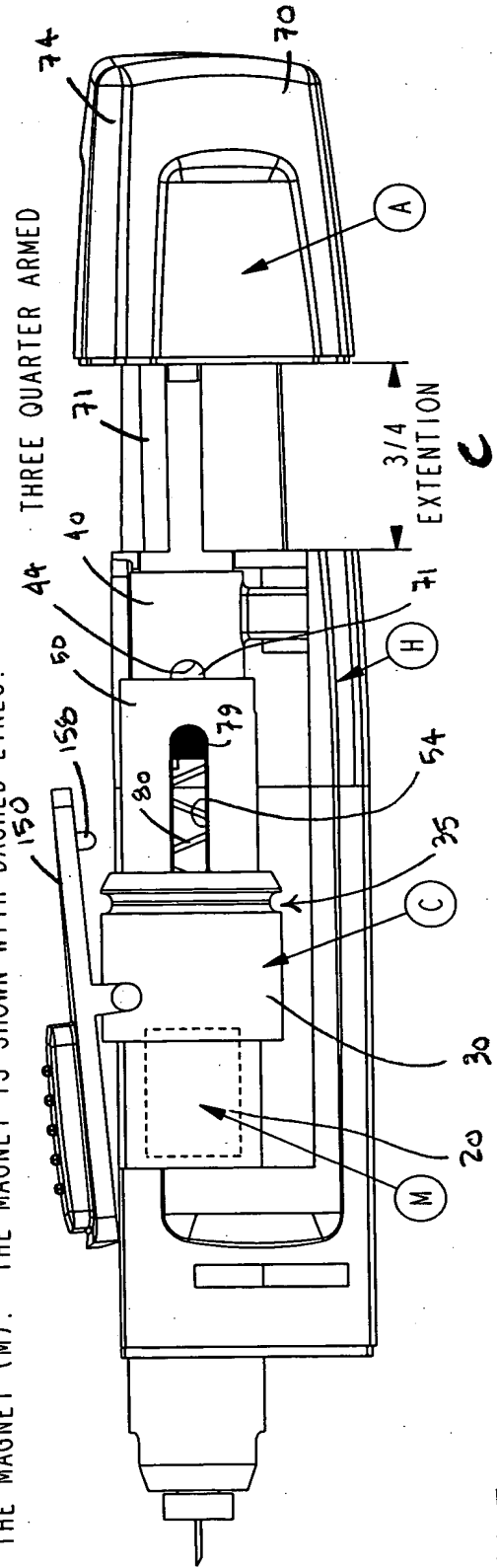
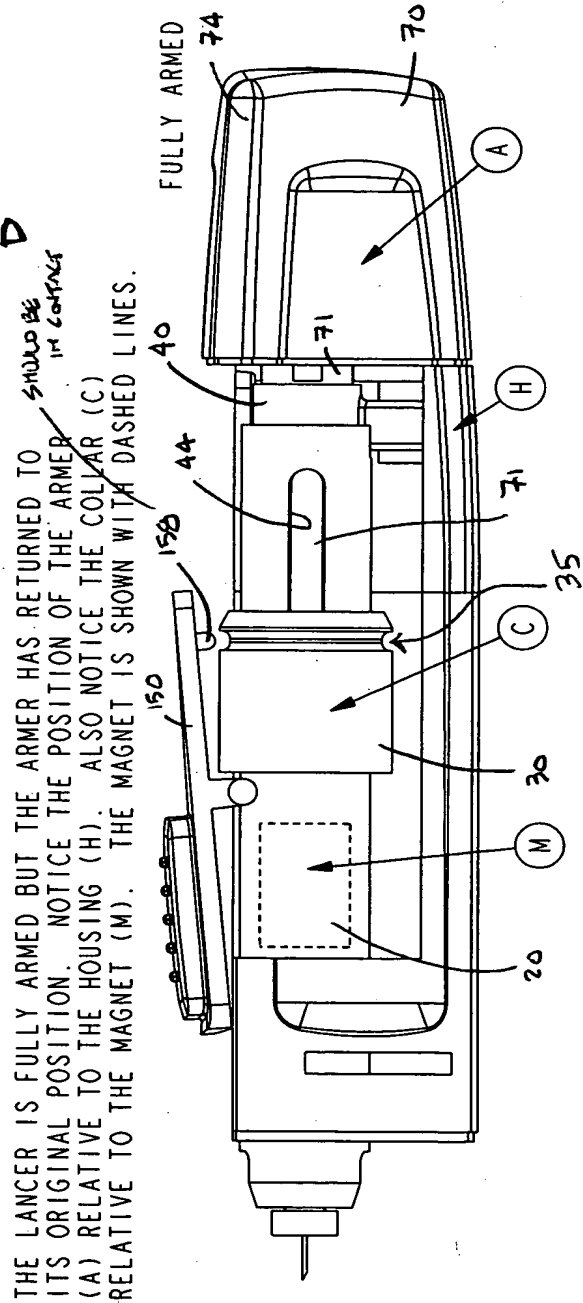
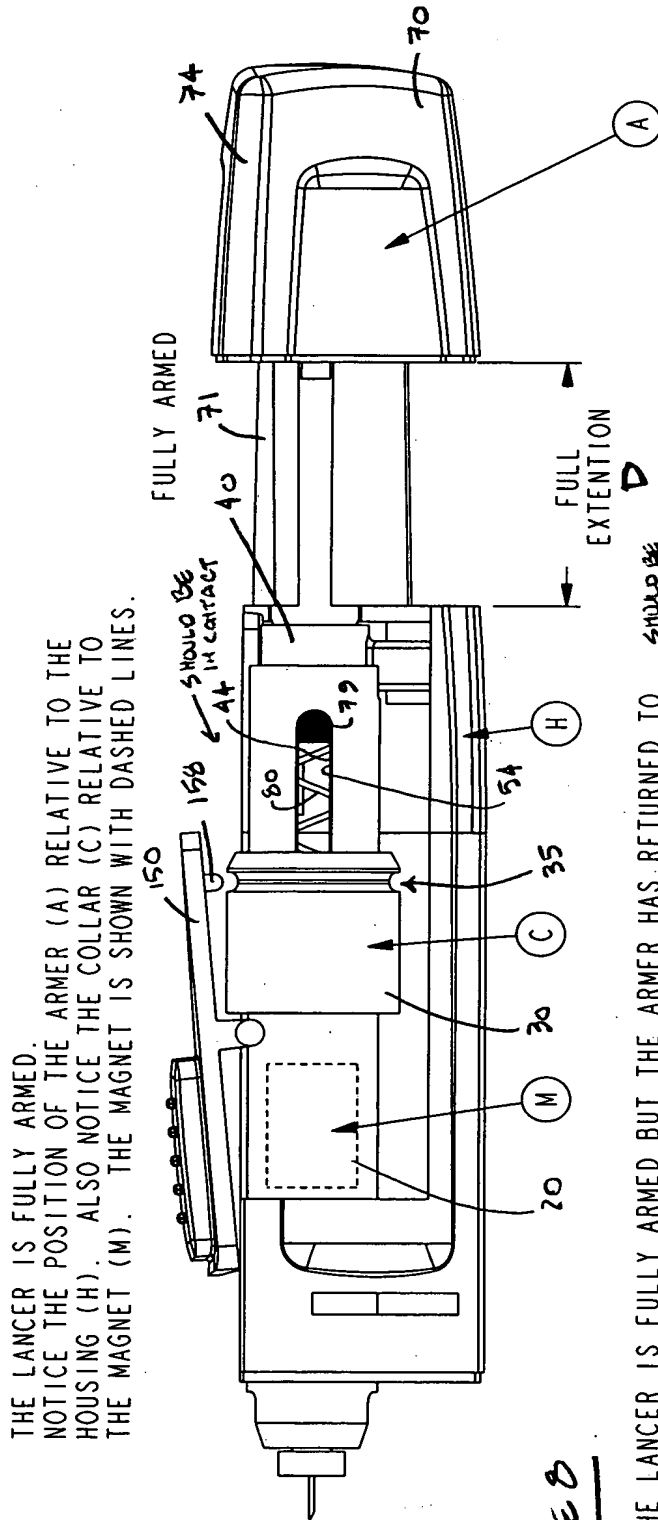


FIGURE 7





CAP FOLLOWER (CF) TRANSLATES RELATIVE TO DIAL (D) VIA A SCREW THREAD TYPE INTERFACE. (CF) ALSO GUIDES SLIDER (S) AND THUS LANCET (L) IN A FULL 360 DEGREE MANNER THAT MINIMIZES LANCET OSCILLATION AND PAIN AT PUNCTURE.

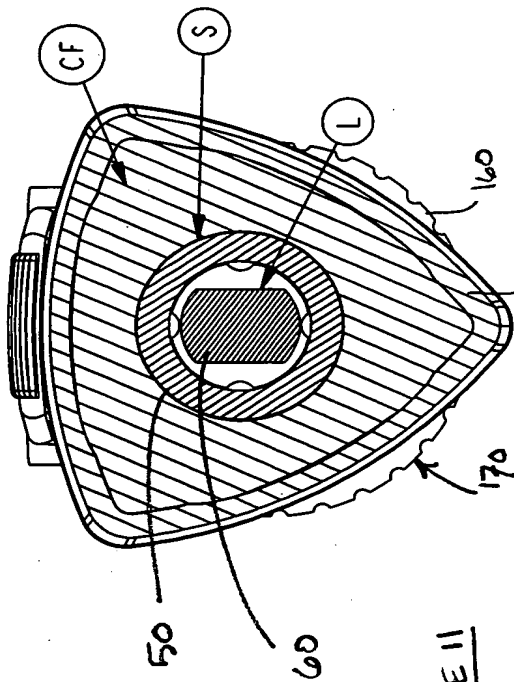


FIGURE 11

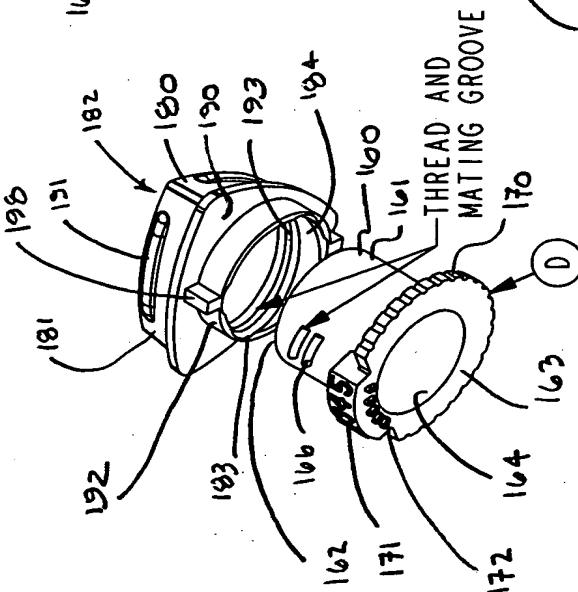


FIGURE 10

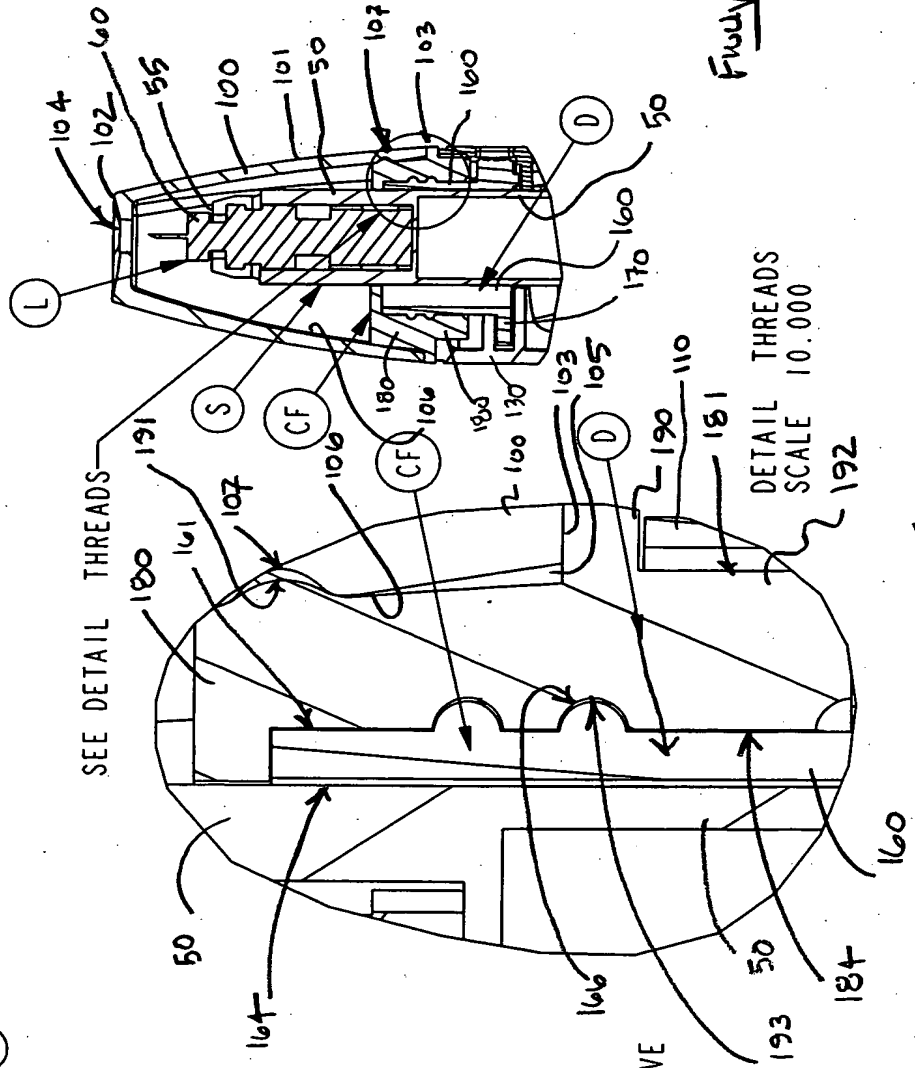


FIGURE 13

FIGURE 12

[illegible]

Figure 19.

Figure 20



THE LANCER IS STILL IN FORWARD TRAVEL. THE LANCET (L) HAS JUST BROKEN THE OUTER PLANE OF THE CAP AND IS AT ITS INITIAL PUNCTURE STATE OF THE USER. MAGNET (M) IS NOW APPLYING A RETRACTIVE FORCE TO COLLAR (C). (C) CONTINUES TO TRAVEL FORWARD CARRIED BY ITS OWN MOMENTUM. AS BEFORE MAGNET IS APPLYING A UNIFORM 360 DEGREE FORCE TO COLLAR (C) WHICH MINIMIZES OSCILLATION OF (L) AND REDUCES OVERALL PAIN AT PUNCTURE OF SKIN.

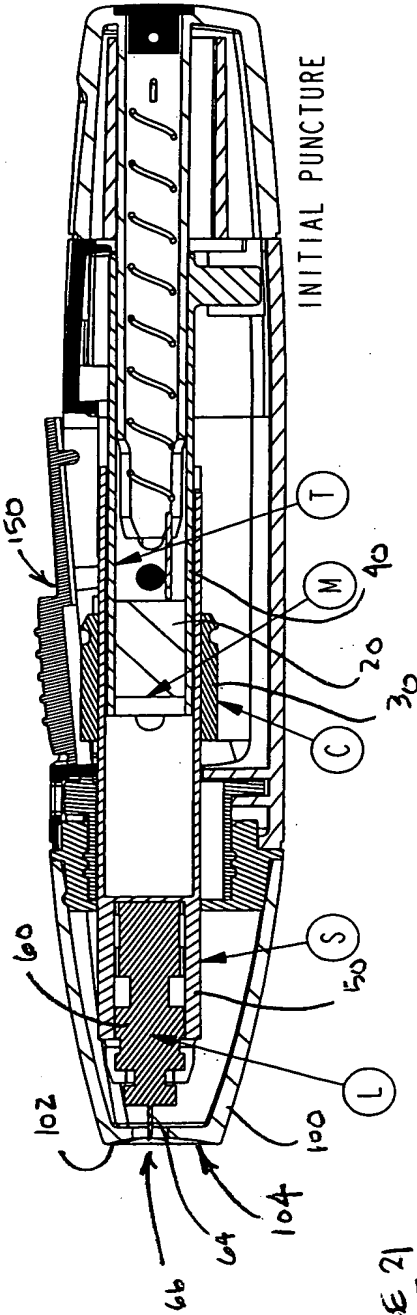


Figure 21

THE LANCER IS AT ITS FULLY HYPER EXTENDED STATE. THE LANCET (L) HAS TRAVELED AS FAR AS IT WILL AND HAS FULLY PUNCTURED THE USER. MAGNET (M) IS CONTINUING TO APPLY A RETRACTIVE FORCE ON COLLAR (C) THAT IS NOW PULLING (C) AND THUS (S) AND (L) BACK INWARD.

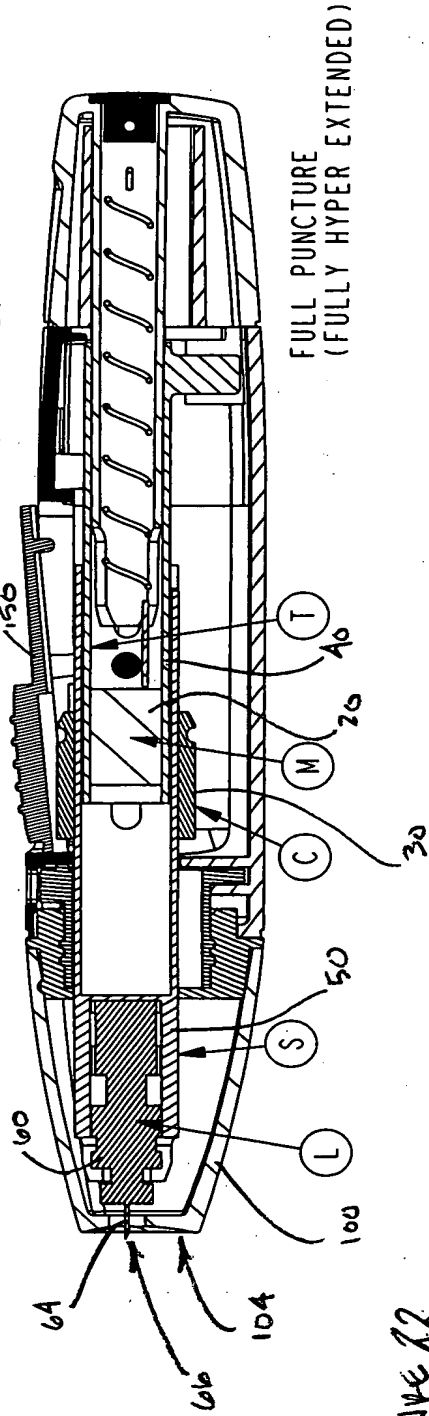


Figure 22

THE LANCER IS NOW RETRACTING TOWARDS STEADY STATE.  
 THE LANCET (L) IS AT AN ARBITRARY RETURN POINT IN TRAVEL  
 WITH THE MAGNET (M) CONTINUING TO APPLY AN ATTRACTIVE  
 FORCE TO COLLAR (C) CAUSING IT TO RETURN BACK TOWARDS THE  
 CENTER OF MAGNET (M) ALSO KNOWN AS "STEADY STATE".

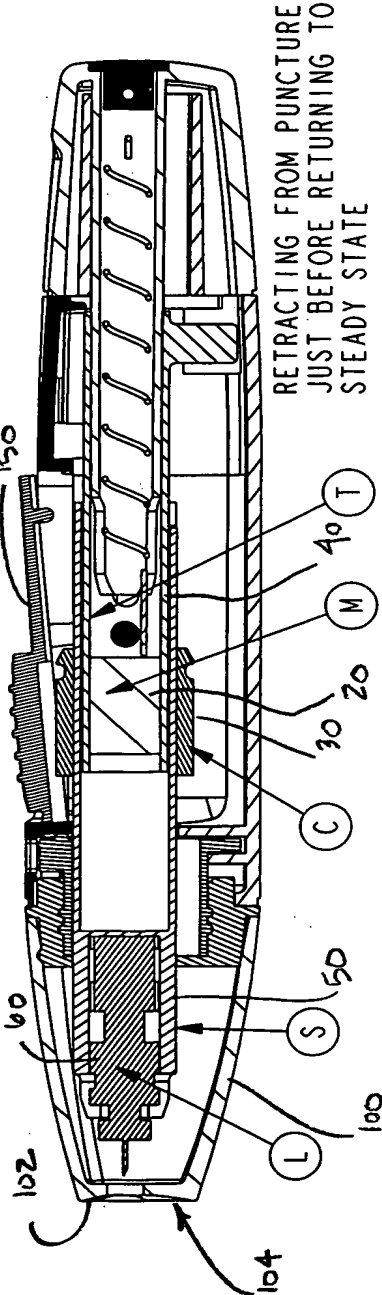


Figure 23

THE LANCER HAS RETURNED TO THE STEADY STATE POSITION.  
 NO MOTION ACTION IS TAKING PLACE AT THIS TIME.  
 MAGNET (M) IS MAGNETICALLY CENTERED WITHIN COLLAR (C)  
 AND ALL ATTRACTIVE AND RETRACTIVE FORCES ARE CANCELLED.  
 ADDITIONALLY ALL MAGNETIC FLUX (LINES OF FORCE) ARE  
 CONTAINED BY STEEL COLLAR (C) CAUSING A SELF MAGNETIC  
 SHIELDING SITUATION.

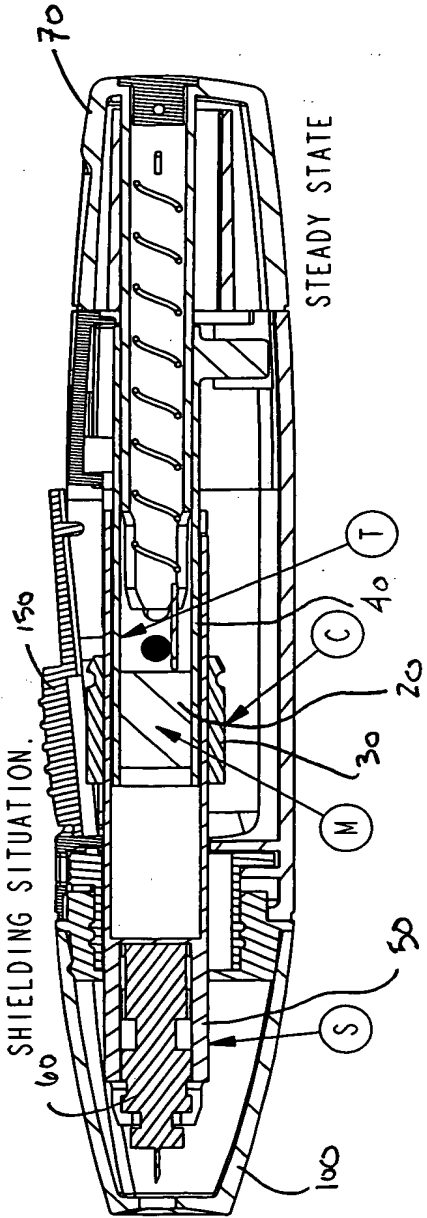


Figure 24

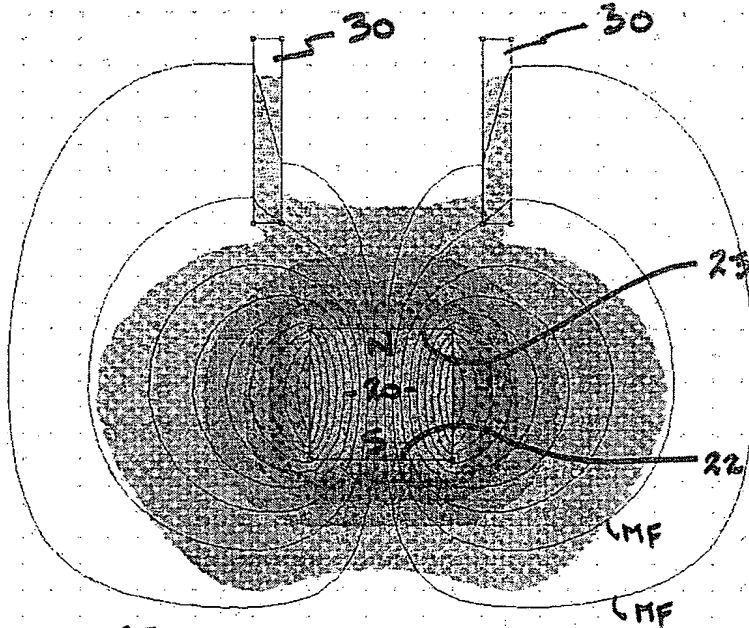


FIGURE 25

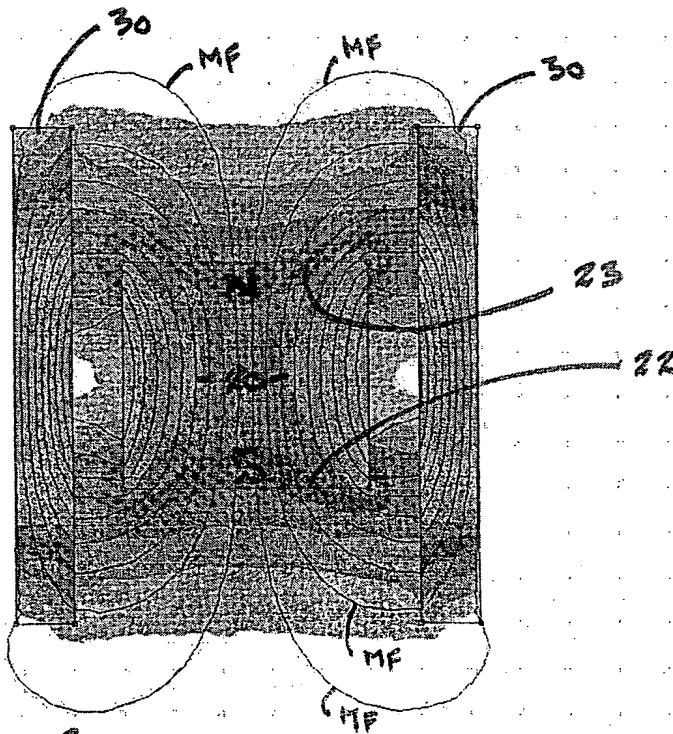
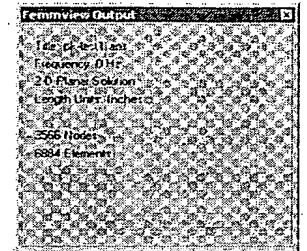
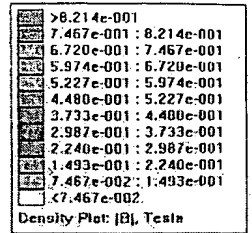
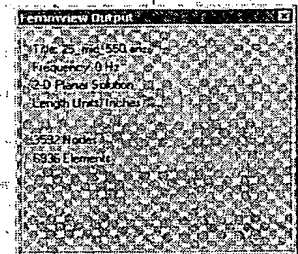
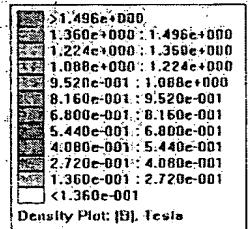


FIGURE 26



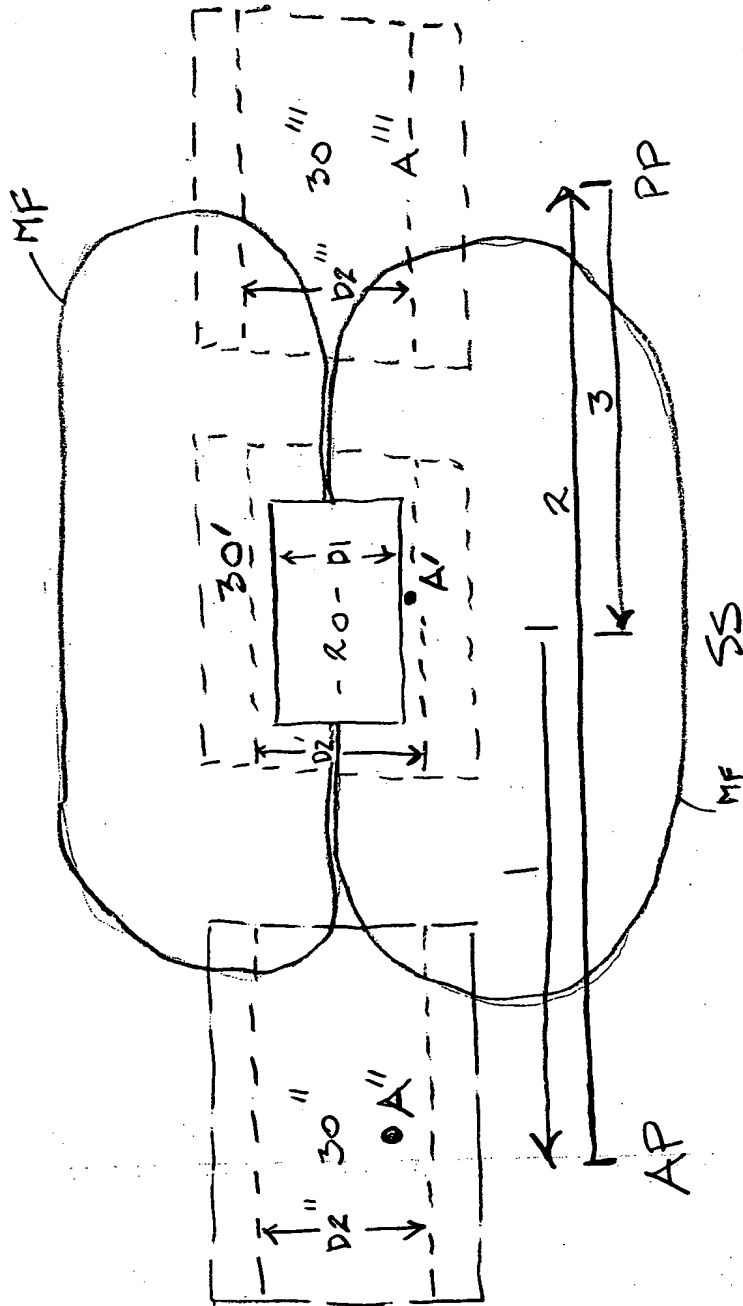


FIGURE 27